

10/003, 294

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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FILE 'HOME' ENTERED AT 17:13:29 ON 23 DEC 2003

=> fil reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	0.21	0.21

FILE 'REGISTRY' ENTERED AT 17:13:41 ON 23 DEC 2003
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STRUCTURE FILE UPDATES: 22 DEC 2003 HIGHEST RN 630045-65-7
DICTIONARY FILE UPDATES: 22 DEC 2003 HIGHEST RN 630045-65-7

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

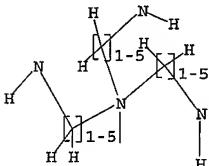
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
Uploading 10005294.str
L1 STRUCTURE uploaded

=> d query
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11
SAMPLE SEARCH INITIATED 17:14:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 89974 TO ITERATE

1.1% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS 0

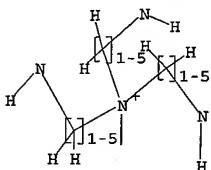
L2 0 SEA SSS SAM L1

=>
Uploading 10005294.str

L3 STRUCTURE UPLOADED

=> d query

L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 13

SAMPLE SEARCH INITIATED 17:15:13 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 89974 TO ITERATE

1.1% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS 0

L4 0 SEA SSS SAM L3

=> s 13 full
FULL SEARCH INITIATED 17:15:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - >1,000,000 TO ITERATE

< 22.3% PROCESSED 400000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.12

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS 0

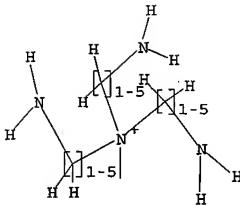
L5 0 SEA SSS FUL L3

=>
Uploading 10005294.str

L6 STRUCTURE UPLOADED

=> d query

L6 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s 16
SAMPLE SEARCH INITIATED 17:16:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 89974 TO ITERATE
1.1% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01
0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS 0

L7 0 SEA SSS SAM L6

=> s 16 full
FULL SEARCH INITIATED 17:16:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - >1,000,000 TO ITERATE
< 22.3% PROCESSED 400000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.09
0 ANSWERS

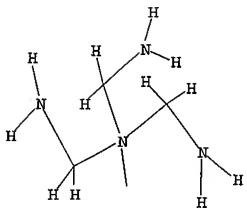
FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS 0

L8 0 SEA SSS FUL L6

=>
Uploading 10005294.str

L9 STRUCTURE uploaded

=> d query
L9 STR
```



Structure attributes must be viewed using STN Express query preparation.

```
=> s 19
SAMPLE SEARCH INITIATED 17:17:47 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE
```

```
100.0% PROCESSED      2 ITERATIONS          0 ANSWERS
SEARCH TIME: 00.00.01
```

```
FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:  2 TO    124
PROJECTED ANSWERS:     0 TO    0
```

```
L10      0 SEA SSS SAM L9
```

```
=> s 19 full
FULL SEARCH INITIATED 17:17:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 40 TO ITERATE
```

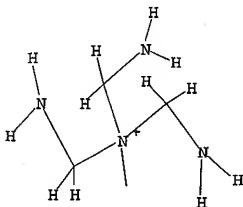
```
100.0% PROCESSED      40 ITERATIONS          0 ANSWERS
SEARCH TIME: 00.00.01
```

```
L11      0 SEA SSS FUL L9
```

```
=>
Uploading 10005294.str
```

```
L12      STRUCTURE uploaded
```

```
=> d query
L12      STR
```



Structure attributes must be viewed using STN Express query preparation.

=> s l12
SAMPLE SEARCH INITIATED 17:18:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0

L13 0 SEA SSS SAM L12

=> s l12 full
FULL SEARCH INITIATED 17:18:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 40 TO ITERATE

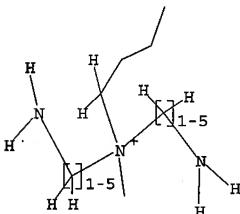
100.0% PROCESSED 40 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L14 0 SEA SSS FUL L12

=>
Uploading 10005294.str

L15 STRUCTURE UPLOADED

=> d query
L15 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l15
SAMPLE SEARCH INITIATED 17:20:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 9241 TO ITERATE

10.8% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 179061 TO 190579
PROJECTED ANSWERS: 0 TO 0

L16 0 SEA SSS SAM L15

=> s l15 full

FULL SEARCH INITIATED 17:20:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 183943 TO ITERATE

100.0% PROCESSED 183943 ITERATIONS
SEARCH TIME: 00.00.03

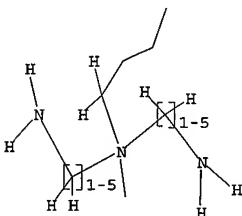
0 ANSWERS

L17 0 SEA SSS FUL L15

=>
Uploading 10005294.str

L18 STRUCTURE UPLOADED

=> d query
L18 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 118
SAMPLE SEARCH INITIATED 17:22:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 9241 TO ITERATE

10.8% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 179061 TO 190579
PROJECTED ANSWERS: 0 TO 0

L19 0 SEA SSS SAM L18

=> s 118 full
FULL SEARCH INITIATED 17:22:09 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 183943 TO ITERATE

100.0% PROCESSED 183943 ITERATIONS
SEARCH TIME: 00.00.03

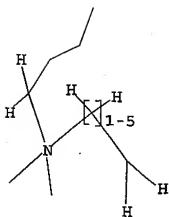
0 ANSWERS

L20 0 SEA SSS FUL L18

=>
Uploading 10005294.str

L21 STRUCTURE UPLOADED

=> d query
L21 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l21
 SAMPLE SEARCH INITIATED 17:23:14 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 2440 TO ITERATE

41.0% PROCESSED 1000 ITERATIONS 0 ANSWERS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 45838 TO 51762
 PROJECTED ANSWERS: 0 TO 0

L22 0 SEA SSS SAM L21

=> s l21 full
 FULL SEARCH INITIATED 17:23:18 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 48603 TO ITERATE

100.0% PROCESSED 48603 ITERATIONS 1 ANSWERS
 SEARCH TIME: 00.00.01

L23 1 SEA SSS FUL L21

=> fil caplus
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 ENTRY SESSION
 FULL ESTIMATED COST 1040.65 1040.86

FILE 'CAPLUS' ENTERED AT 17:23:25 ON 23 DEC 2003
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FILE COVERS 1907 - 23 Dec 2003 VOL 139 ISS 26
 FILE LAST UPDATED: 22 Dec 2003 (20031222/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

```
=> s 123  
L24      2 L23  
  
=> d 124 1-2 abs ibib hitstr
```

AB Three attempts were made to prep. org. ammonium metals. Dissolving Bu₄NI in Et₂O and mixing with a 1:1q. NaK alloy gave free ammonium metal dissolved in the alloy. Electrolysis of Bu₄NClO₄ in THF at Pt or Ag electrodes gave new strongly reducing mols. which disappeared rapidly because of reaction with THF. Treatment of Me₃N, MeNH₂, or NH₃ with Na.Bu₄ at low temp. in a high-vacuum app. gave small black particles, which disappeared irreversibly at higher temps.

ACCESSION NUMBER: 1985008904 CAPLUS
 DOCUMENT NUMBER: 110:23271
 TITLE: Attempt to prepare free solid organic ammonium
 AUTHOR(S): Dov de Koroty, Francis
 CORPORATE SOURCE: Inst. Appl. Res., Ben-Gurion Univ., Negev Beer-Sheva, Israel
 SOURCE: Acta Chimica Hungarica (1987), 124(4), 671-6
 CODEN: ACHUDC ISSN: 0231-3146
 DOCUMENT TYPE: Journal Article
 LANGUAGE: English
 OTHER INDEX(S): CASREACT 110:23271
 ID: A9098-40-3P
 RT: SPN (Synthetic preparation); PREP (Preparation)
 (preparation, PREP of)
 RN 19098-40-3 CIIAIIA
 CN Nitrogen, tetrabutyl-, (T-4) - (SCI) (CA INDEX NAME)



AB Techniques for the electrolytic generation and the spectroscopic characterization of quaternary ammonium radicals in liq. ammonia have been developed. The spectra of seven tetraalkylammonium radicals in liq. ammonia have been examined in the range 200-250 m.m.u. The effects of concentration, temperature, and solvent on the spectra have been examined. The absorbing species is the same in each case and has the same characteristics as the absorbing species present in metal-ammonia solns. The influence of the solvent with respect to the current theories of metal-ammonia solns. are discussed. 31 references.

ACCESSION NUMBER: 1985008904 CAPLUS
 DOCUMENT NUMBER: 110:23271
 TITLE: Metal-ammonium solutions. III. Spectroscopy of quaternary ammonium radicals
 AUTHOR(S): Quin, R.K.; Lander, Joseph J.
 CORPORATE SOURCE: Univ. of Texas, Austin, TX, USA
 SOURCE: Journal of Physical Chemistry (1968), 72(4), 1374-8
 DOCUMENT TYPE: Journal Article
 LANGUAGE: English
 ID: 19098-60-3P
 RT: R1 (Properties); PREP (Preparation)
 (Electrolytic spectrum of, in ammonia solns. at low temp.)
 RN 19098-60-3 CAPLUS
 CN Nitrogen, tetrabutyl-, (T-4) - (SCI) (CA INDEX NAME)



=> fil reg			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
FULL ESTIMATED COST	ENTRY	SESSION	
	9.49	1050.35	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
CA SUBSCRIBER PRICE	ENTRY	SESSION	
	-1.30	-1.30	

FILE 'REGISTRY' ENTERED AT 17:24:06 ON 23 DEC 2003
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STRUCTURE FILE UPDATES: 22 DEC 2003 HIGHEST RN 630045-65-7
 DICTIONARY FILE UPDATES: 22 DEC 2003 HIGHEST RN 630045-65-7

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

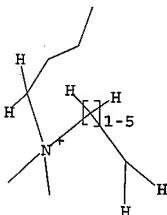
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
 Uploading 10005294.str

L25 STRUCTURE UPLOADED

=> d query
 L25 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 125
 SAMPLE SEARCH INITIATED 17:24:45 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 2440 TO ITERATE

41.0% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 45838 TO 51762
PROJECTED ANSWERS: 0 TO 0

L26 0 SEA SSS SAM L25

=> s l25 full
FULL SEARCH INITIATED 17:24:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 48603 TO ITERATE

100.0% PROCESSED 48603 ITERATIONS
SEARCH TIME: 00.00.01

L27 0 SEA SSS FUL L25

=> logoff y			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
FULL ESTIMATED COST	ENTRY	SESSION	
	149.35	1199.70	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
CA SUBSCRIBER PRICE	ENTRY	SESSION	
	0.00	-1.30	

STN INTERNATIONAL LOGOFF AT 17:26:20 ON 23 DEC 2003